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(54) PREPARATION OF COMPOSITE PERRMEABLE MEMBRANE FOR SEPARATING GAS

(57) Abstract:

PURPOSE: To prepare a composite permeable membrane for reparing a gas, which has high gas permeability and undergoes rapid membrane forming reaction, by contacting a membrane substrate, obtained by coating a porous support membrane with siloxane diisocyanate, with vapor containing a polyamino compound.

CONSTITUTION: A membrane substrate obtained by coating a porous support membrane with siloxane diisocyanate, wherein at least 50mol% of the total polyisocyanate component is represented by formulae I and/or II, is contacted with vapor containing a polyamino compound having at least two primary and/or secondary amino groups to form an ultra-thin membrane on said support membrane. The polyamino compound is usually liquid or a low m.p. one and in-

cludes, e.g. ethylenediamine and propylenediamine.

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